

Improve Decision Making With Services Provided by the Network Engineering Division

Network Design Improvement—
produce sound network design based on
industry standards

**Application Deployment
Planning**—predict the effects of specific
business applications on the network

Network Documentation—understand
and document network hardware, software and
services

Network Use Analysis—resolve
network performance complaints, prepare for
projects that require network resources, and
understand the effect of Web accesses on
business applications

Network Optimization—ensure
continuity of operations through enhanced
network survivability requirements

Network Services—determine services
to use and how to optimize them

Financial Analysis and Planning—
allocate network costs to specific business
applications

Internet Access—understand how much
network use is devoted to Internet traffic

For More Information

To discuss an evaluation of your
business applications' network
resource requirements, or for
additional general information,
contact:

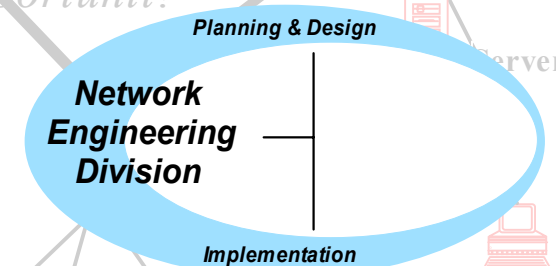
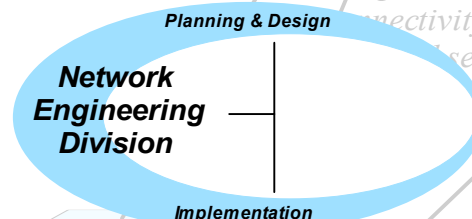
**Thomas N. Tokos, Chief
Network Engineering Division
Suite 210
2150 Centre Ave., Bldg. A
Fort Collins, CO 80523-1891**

Phone: (970) 295-5310
FAX: (970) 295-5330
Email: ttokos@tasc.usda.gov

Visit Our Web Site:
www.ocio.usda.gov/tso/ned/index.html

Network Engineering Division Services

NED Services



***By 2000, 75 percent of network design processes without a full characterization of applications will fail (80 percent probability).
—Gartner Group***

Solutions for your network needs

Federal, state, and local agencies have mission goals representing a diverse set of programs that require substantial network resources. Information availability is crucial to your success. ***Our solutions provide you with the right data for timely decision making.***

Who we are and how we can help

The Network Engineering Division (NED) is a unit of the Office of the Chief Information Officer at the USDA comprised of experienced network engineers, modelers, and analysts. Using state-of-the-art tools, these professionals have developed a uniform network analysis process to implement cost-effective network resources for customers. This standardized, proven method, known as the Geographic Network Analysis Process (GNAP), uses “best industry practices.” In conjunction, the NED provides formal project management that outlines proposals and procedures for customer clarification.

Qualifications you can trust

NED telecommunications professionals have expertise in network hardware, software, and services, as well as extensive knowledge of financial analysis, project management, and statistical interpretation. NED staff has successfully analyzed several operational USDA programs, including NRCS’s **Combined Administrative Management System** and **Performance and Results Management System**, and the Chief Financial Officer’s **Foundation Financial Information System**.

Network Engineering Division (NED) Provides the Following Services to All Government Organizations:

**Baseline Modeling
Performance Metrics
Network Documentation
Network Design and Modeling
Application Performance Analysis
Resource Planning
Service Level Agreement Preparation
Service Level Management Analysis**

NED Services Help You Maximize Your Information Technology Investment And Enable You To Do The Following:

- Ensure business applications drive network requirements
- Gain objective evaluation of the current state of your network resources
- Make certain that adequate, performance-based networks resources are available to meet “end-to-end” business transport requirements
- Set up objective, quantitative, meaningful requirements to prepare **Service Level Agreements**—the formal documentation of user requirements that serve as metrics for monitoring network performance
- Establish accountability for network service delivery with the **Service Level Management Process**.